

IN THE CLAIMS:

Please amend claims 1, 3, 4, and 7; cancel claims 2, 5 and 6;
and added new claims 12-22, as follows:

1. (Currently Amended) A tissue adhesive patch, comprising:
a mesh structure, said mesh structure including a first
material comprising a polymer, said polymer being selected from a
group consisting of nylon, polyester and polycarbonate, said first
material being biologically compatible and non-irritating; and
a second material including a ~~derivitized~~ derivatized
collagen, a concentration of said derivatized collagen in said
second material being at least equal to 300 mg/ml but less than
800 mg/ml, said mesh structure being encapsulated in said ?
material.

2. (Cancelled)

3. (Currently Amended) A tissue adhesive patch, comprising:
a ~~structural component~~ plurality of fibers which are
biologically compatible and non-irritating; and
a material including a ~~derivitized~~ derivatized collagen, a
concentration of said derivatized collagen in said material being
at least equal to 300 mg/ml but less than 800 mg/ml, said
~~structural component~~ plurality of fibers being embedded in said
material.

4. (Currently Amended) A tissue adhesive patch in accordance with claim ~~1 wherein a mesh structure, said mesh structure includes carbon or metal wire~~ 3, wherein said plurality of fibers are bundled.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A tissue adhesive patch in accordance with claim ~~6~~ 3, wherein said plurality of fibers are coaligned.

8. (Withdrawn)

9. (Withdrawn)

10. (Withdrawn)

11. (Withdrawn)

12. (New) A tissue adhesive patch in accordance with claim 3, wherein said plurality of fibers include collagen.

13. (New) A tissue adhesive patch, comprising:
a plurality of collagen fibrils; and
a material including a derivatized collagen, said a concentration of said derivatized collagen in said material being ~~at least equal to~~ 300 mg/ml but less than 800 mg/ml, said plurality of collagen fibrils being embedded in said material.

14. (New) A tissue adhesive patch, comprising:
a mesh structure, said mesh structure including a first material selected from a group consisting of carbon and metal wire, said first material being biologically compatible and non-

irritating; and

a second material including a derivatized collagen, concentration of said derivatized collagen in said second material being at least equal to 300 mg/ml but less than 800 mg/ml, said mesh structure being encapsulated in said material.

15. (New) A tissue adhesive patch in accordance with claim 1, wherein said derivatized collagen includes a COO⁻ functional group.

16. (New) A tissue adhesive patch in accordance with claim 15, wherein said derivatized collagen further includes an SH⁻ functional group.

17. (New) A tissue adhesive patch in accordance with claim 3, wherein said derivatized collagen includes a COO⁻ functional group.

18. (New) A tissue adhesive patch in accordance with claim 17, wherein said derivatized collagen further includes an SH⁻ functional group.

19. (New) A tissue adhesive patch in accordance with claim 13, wherein said derivatized collagen includes a COO⁻ functional group.

20. (New) A tissue adhesive patch in accordance with claim 19, wherein said derivatized collagen further includes an SH⁻ functional group.

As amended 21. (New) A tissue adhesive patch in accordance with claim 14, wherein said derivatized collagen includes a COO^- functional group.

22. (New) A tissue adhesive patch in accordance with claim 21, wherein said derivatized collagen further includes an SH^- functional group.
